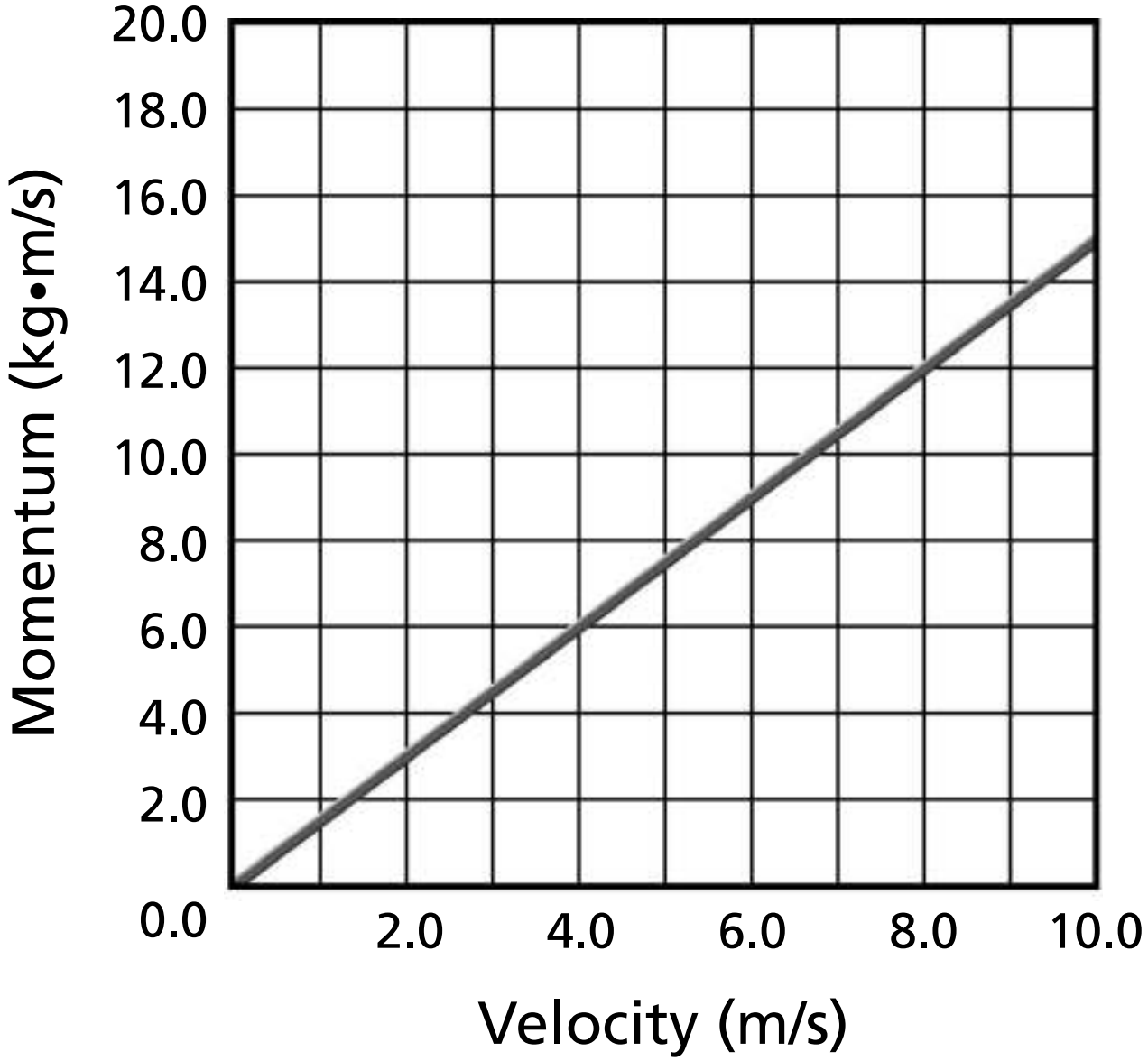
Transparency 9-1

Velocity and Momentum



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9 Transparency 9-1 Worksheet

Velocity and Momentum

1. What is the object's velocity if the momentum is 6.0 kg · m/s?

2. What is its momentum if the velocity is 2.0 m/s?

3. Use the graph to predict what the momentum would be if the velocity is 15.0 m/s.

4. Describe two ways you could calculate the mass of the object.

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_____

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5. What is the mass of the object? Show your work.

6. How would the line on the graph change if the object had a greater mass?

_____

7. A similar graph is drawn for an object that has a mass of 1.0 kg. Would the line for this graph be above or below the line currently on the graph?

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